Advanced PubMed® Tips, Tricks, and Tools: MeSH

What happens when MeSH is updated?

- Introduction to MeSH 2015: http://www.nlm.nih.gov/mesh/introduction.html
- **New Term; Same Meaning**
    - In many cases, the old term becomes an _____ for the new MeSH term.
    - When a MeSH term is replaced, the new term inherits the _____ from the original/old term.
    - Examples:
        - Cell Phone
        - Anxiety Disorders
        - PMID 974444
- **New Term; More Specific**
    - When a new term is added it _____ applied to earlier citations.
    - This is the _____ common type of change.
    - Examples:
        - Obsessive Hoarding
        - PMID 19457476
- **New Term Clarifies Meaning**
    - Example:
        - Depression; Depressive Disorder

Two Dates in MeSH

- Video: http://youtu.be/bLKrkqs2qps
- Examples:

As Topic vs. Publication Type

- To find articles on the development of practice guidelines you would use the term:

- Examples:
    - Multicenter Study
    - PMID: 25408371
    - PMID: 24521588

Organisms and Diseases

- Examples:
    - Ebola
    - Salmonella

Filters

- Which filters restrict your results to MEDLINE-indexed citations?

Subheadings

1. Tutorial:www.nlm.nih.gov/bsd/disted/pubmedtutorial/020_730.html
2. Two letter subheading abbreviations:
   http://www.ncbi.nlm.nih.gov/books/NBK3827/table/pubmedhelp.T.mesh_subheadings

Commonly Confused Subheadings:

/Anatomy and Histology is used to describe a _____ state.

/Pathology is used to describe a _____ state.

/Adverse effects: Side effects from a substance used in an _____ dosage.

/Toxicity: For experimental human and animal _____ of ill effects.

/Poisoning: _____ intake of a substance (accidental, occupational, suicidal, medication error, or by environmental exposure).

Subheading/MeSH Term Coordination

a) Treatment of a disease or condition using a drug.
Anxiety/_____

b) Using a drug to treat a disease or condition.
Luvox/_____

c) Used when describing the original or primary cancer site.
Breast Neoplasms/_____

d) Used when describing the site of a metastasized cancer.
Brain Neoplasms/_____

MeSH Heading or Subheading: When both exist, which should I use?

Rehabilitation
Use _____ to represent a specific type of rehabilitation.
Use _____ attached to the disease or condition treated by rehabilitation.
PMID: 25365884

Education
Use **Education [MeSH]** to represent a specific type of education.
Use **/education** attached to the group you want to educate.
PMID: 24267774

Nursing
Use **Nursing [MeSH]** to represent a specific type of nursing care.
Use **/nursing** attached to the disease or condition when a nurse is involved in providing care.
PMID: 9847814

Free Floating

Each MeSH term has an allowable set of subheadings that can be used to build a search. If you want to use a subheading that is not allowed for a particular MeSH term, you can free float it. Use the Boolean operator AND to attach any subheading to any MeSH term to retrieve citations that may relate to your topic in some way.
Ex. breast neoplasms [MeSH] AND trends [sh]